Brief the Paperwork Reduction Act of 1999		Application Number	10/616,599		
TRANSMITTAL		Filing Date	07/10/2003		
FORM		First Named Inventor	Hnat		
(to be used for all correspondence after initial	filing)	Art Unit			
		Examiner Name			
Total Number of Pages in This Submission	151	Attorney Docket Number	106684.000	0001	
	ENCI	OSURES (Check all the	at apply)		
Fee Transmittal Form		Drawing(s)		☐ to Technole ☐ Appeal Cor	ance communication ogy Center (TC) mmunication to Board
Fee Attached		Licensing-related Papers	-	Appeal Co	and Interferences mmunication to TC
Amendment/Reply	· ·	Petition Petition to Convert to a		7	lice, Brief, Reply Brief)
After Final		Provisional Application Power of Attorney, Revocation	-	_l Proprietary ¬ı	Information
Affidavits/declaration(s)		Change of Correspondence Add	ress	Status Lett	
Extension of Time Request	📙 ד	Terminal Disclaimer	1		er Enclosure(s) (please htify below):
Express Abandonment Request	F	Request for Refund Copies of II		opies of IDS cia	ciations, Postcard
Information Disclosure Statement		CD, Number of CD(s)			
Certified Copy of Priority	Remar	ks	•		
Document(s)	i .	enclosed Informat			-
Response to Missing Parts/	1	ng filed pursuant nin three months o			
Incomplete Application	W.T.C.	iin enree monens o	ı ene a	ppiicacio	ii lilling da
Response to Missing Parts under 37 CFR 1.52 or 1.53					
SIGNA	TURE 0	F APPLICANT, ATTORN	NEY, OR A	AGENT	· · · · · · · · · · · · · · · · · · ·
Firm Alexander B. Brookett B.	No 416	220			
Individual name Alexander P. Brackett, R					
Signature Round / /	Snach	N			
Date 10/10/2003					
	ERTIFIC	ATE OF TRANSMISSIO	N/MAIL IN	G	
I hereby certify that this correspondence is I sufficient postage as first class mail in an er the date shown below.	eing facsir	mile transmitted to the USPTO of	or deposited	with the United	
Typed or printed name	· · · · · · · · · · · · · · · · · · ·				

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

er the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Sheet 1

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known				
Application Number	10/616,599			
Filing Date	07/10/2003			
First Named Inventor	Hnat			
Art Unit				
Examiner Name				
Attorney Docket Number	106684 000001			

	,			T DOCUMENTS	
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (f known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		^{US-} 6,447,448	09/10/2002	Ishikawa et al.	
		^{US-} 6,034,296	03/07/2000	Elvin et al.	
		^{US-} 5,968,098	10/19/1999	Winslow	
		^{US-} 5,776,199	07/07/1998	Michelson	
		US-			
•		US-			
		US-	<u> </u>		

FOREIGN PATENT DOCUMENTS									
	Cite No.1		Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages			
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	Т			
						L			
						L			
						Г			

Examiner	* **	Date	 	
Signature		Considered		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08B (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
of a collection of information unless it contains a valid OMB control number.

er the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMR control number.

4	te for form 1449/PTO			Complet if Known			
Calabania				Applicati n Number	10/616,599		
INF	ORMATION	DIS	CLOSURE	Filing Date	07/10/2003		
STATEMENT BY APPLICANT				First Named Inventor	Hnat		
	# for an annual about	-4		Art Unit			
	(Use as many she	ets as n	ecessary)	Examiner Name			
Sheet	2	of	2	Attorney Docket Number	106684.000001		

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	The state of the s	ROHLMANN et al., In Vitro Load Measurement Using an Instrumented Spinal Fixation Device, Med. Eng. Phys., September 1996, p. 485-488, Vol. 18 No. 6, Great Britain	
		ROHLMANN et al., Placing a Bone Graft More Posteriorly May Reduce the Risk of Pedicle Screw Breakage, Journal of Biomechanics, 1998, p. 763-767	
		LEE et al., Spinal Motion After Cervical Fusion, SPINE, 1994, p. 2336-2342, Vol. 19 No. 20.	
		LEE et al., In Vivo Kinematics of the Cervical Spine, Journal of Spinal Disorders, 1993, p. 522-534, Vol. 6, No. 6, New York, U.S.	
		GRAICHEN et al., Patient Monitoring System for Load Measurement with Spinal Fixation Devices, Med. Eng. Phys., March 1996, p. 167-174, Vol. 18.	
		VAMVANIJ et al., Surgical Treatment of Internal Disc Disruption, Journal of Spinal Disorders, 1998, p. 375-382, Vol. 11 No. 5, Philadelphia, U.S.	
		ROHLMANN et al., A Spinal Fixation Device for In Vivo Load Measurement, J. Biomechanics, 1994, p. 961-967, Vol. 27 No. 7, Great Britain.	
		KANAYAMA et al., Maturation of the Posterolateral Spinal Fusion and Its Effect on Load-Sharing of Spinal Instrumentation, The Journal of Bone and Joint Surgery, November 1997, p, 1710–1720, Vol. 79–A(11).	

	0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -		
Examiner		Date	
Signature		Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.